## ABSTRACT

A method, system and computer readable medium containing programming instructions for tracking a secure boot in a computer system having a plurality of devices is disclosed. The method, system and computer readable medium include providing an embedded security system (ESS) in the computer system, wherein the ESS includes at least one boot platform configuration register (PCR) and a shadow PCR for each of the at least one boot PCRs, initiating a platform reset to boot the computer system via BIOS, and, for a device booted, generating a measurement value for the device and extending that value to one of the at least one boot PCRs and its corresponding shadow PCR. The system, method and computer readable medium of the present invention also includes comparing the measurement values of the boot PCRs to their corresponding shadow PCRs, whereby the computer system is trusted if the measurement values match.